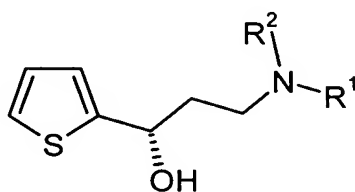


Amendments to the Claims

Please cancel claims 11 and 12 without prejudice. Please add new claims 13-24 as shown below in the List of Claims.

List of Claims

1. (Currently amended) ~~A Process~~ process for the preparation of enantiomer-enriched compounds of the general formula (I)



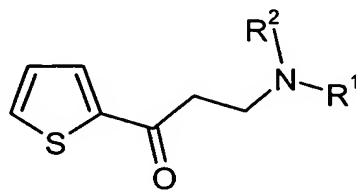
(I)

wherein

R^1 and R^2 independently of one another denote H, (C₁-C₈)-alkyl, (C₁-C₈)-acyl, (C₁-C₈)-alkoxycarbonyl, (C₃-C₈)-cycloalkyl, (C₆-C₁₈)-aryl, (C₇-C₁₉)-aralkyl, (C₃-C₁₈)-heteroaryl, (C₄-C₁₉)-heteroaralkyl, ((C₁-C₈)-alkyl)₁₋₃-(C₃-C₈)-cycloalkyl, ((C₁-C₈)-alkyl)₁₋₃-(C₆-C₁₈)-aryl, ((C₁-C₈)-alkyl)₁₋₃-(C₃-C₁₈)-heteroaryl,

or the radicals R^1 and R^2 together form a (C₁-C₈)-alkylene bridge, wherein these one or more carbons in said (C₁-C₈)-alkylene bridge may be substituted with one or more radicals selected from the group consisting of: (C₁-C₈)-alkyl, (C₃-C₈)-cycloalkyl, (C₆-C₁₈)-aryl, (C₇-C₁₉)-aralkyl, (C₃-C₁₈)-heteroaryl, (C₄-C₁₉)-heteroaralkyl radicals with the formation of further chirality centres,

comprising ~~by enantioselective hydrogenation of~~ enantioselectively hydrogenating compounds of the general formula (II)



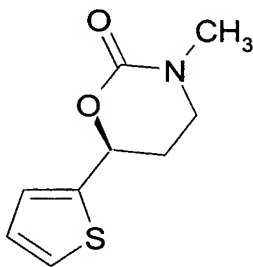
(II)

wherein R¹ and R² have the meanings given above,
with a catalyst comprising an enantiomer-enriched bidentate phosphorus-containing ligand, a transition metal and a diamine.

2. (Currently amended) ~~Process according to~~ The process of claim 1, ~~characterised in that chiral phosphorus-containing ligands are used~~ wherein said enantiomer-enriched bidentate phosphorus-containing ligand is a chiral compound selected from the group comprising consisting of Deguphos, Binap, Phanephos, Norphos, DIOP, Duphos, Propfos, BDPP, BPPM, Malphos, Rophos ~~or~~ and Basphos.
3. (Currently amended) ~~Process according to~~ The process of claim 1, ~~characterised in that as~~ wherein said diamine is a chiral compound ~~is used~~ selected from the group consisting of DIAPEN, DPEN, DMDPEN, and 1,2-cyclohexyldiamine.
4. (Currently amended) ~~Process according to~~ The process of claim 1, ~~characterised in that as~~ wherein said transition metal ~~a metal~~ is ~~used~~ selected from the group ~~comprising~~ consisting of: Ru, Rh, Ir, and Pd.
5. (Currently amended) ~~Process according to one or more of the preceding claims, characterised in that~~ The process of any one of claims 1-4, wherein hydrogenation is carried out in the presence of molecular hydrogen or by ~~means of~~ transfer hydrogenation.
6. (Currently amended) ~~Process according to one or more of the preceding claims, characterised in that~~ The process of any one of claims 1-4, wherein the hydrogenation is carried out in the presence of a base.
7. (Currently amended) ~~Process according to~~ The process of claim 6, ~~characterised in that the~~ wherein said base is used in a molar amount ratio of >10 : 1 ~~referred of at least 10 to 1 relative to the~~ said catalyst.

8. (Currently amended) ~~Process according to one or more of the preceding claims, characterised in that the~~ The process of any one of claims 1-4, wherein hydrogenation is carried out in ~~solvents~~ a solvent selected from the group ~~comprising~~ consisting of methanol, ethanol, isopropanol, and tert.-butanol, in their aqueous or non-aqueous form.
9. (Currently amended) ~~Process according to one or more of the preceding claims, characterised in that the~~ The process of any one of claims 1-4, wherein said catalyst comprising the said diamine, transition metal and the phosphorus-containing ligand is used ~~in~~ at a concentration of 0.1-0.5 mole %.
10. (Currently amended) ~~Process according to one or more of the preceding claims, characterised in that~~ The process of any one of claims 1-4, wherein the temperature ~~during the~~ hydrogenation is carried out at a temperature of between 0° and 100°C ~~100°C, more preferably between 10° and 80°C and particularly preferably between 20° and 60°C.~~
- 11-12 Cancelled
13. (New) The process of claim 10, wherein said temperature is between 10° and 80°C.
14. (New) The process of claim 10, wherein said temperature is between 20° and 60°C.
15. (New) The process of any one of claims 1-4, wherein hydrogenation is carried out in the presence of molecular hydrogen at a hydrogen pressure of 1-200 bar.
16. (New) The process of claim 15, wherein said pressure is 2-100 bar.
17. (New) The process of claim 15, wherein said pressure is 5-80 bar.
18. (New) The process of claim 5, wherein hydrogenation is carried out in the presence of a base.

19. (New) The process of claim 18, wherein said base is used in a molar ratio of at least 10 to 1 relative to said catalyst.
20. (New) The process of claim 19, wherein hydrogenation is carried out in a solvent selected from the group consisting of methanol, ethanol, isopropanol, and tert.-butanol, in their aqueous or non-aqueous form.
21. (New) The process of claim 20, wherein said catalyst comprising said diamine, transition metal and phosphorus-containing ligand is used at a concentration of 0.1-0.5 mole %.
22. (New) The process of claim 21, wherein hydrogenation is carried out at a temperature of between 20°C and 60°C.
23. (New) The process of any one of claim 22, wherein hydrogenation is carried out in the presence of molecular hydrogen at a hydrogen pressure of 5-80 bar.
24. (New) A cyclic carbamate of formula III:



(III)